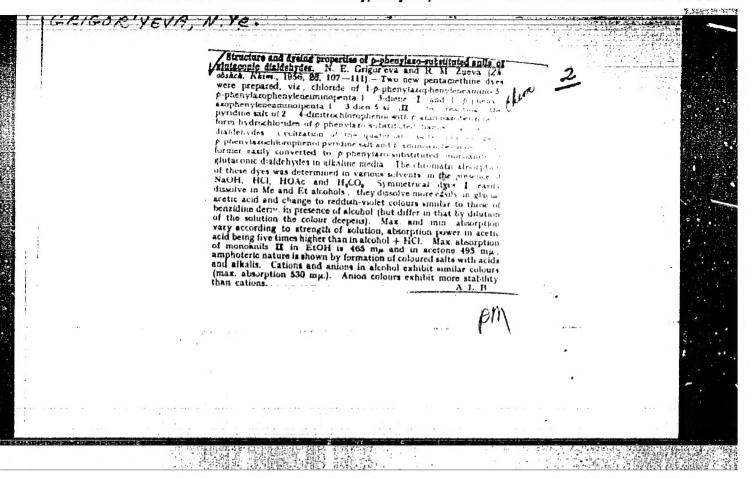
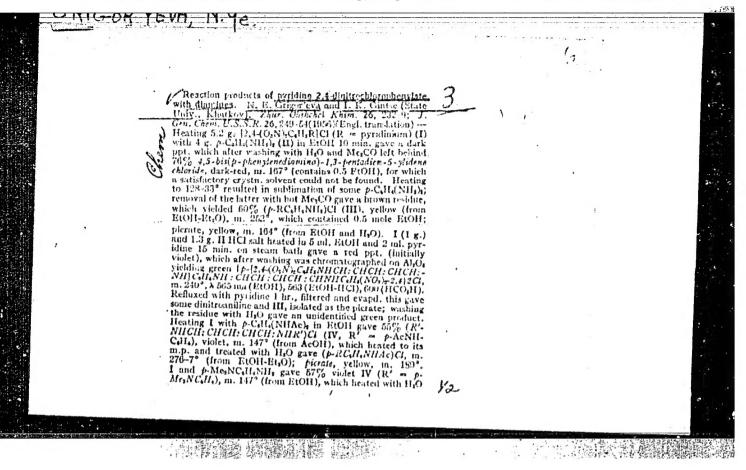
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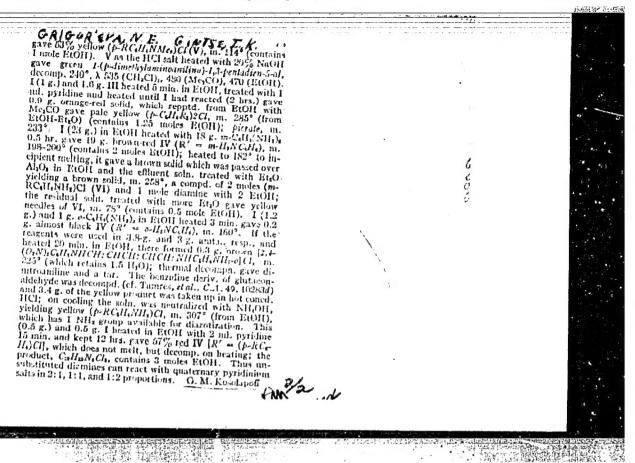
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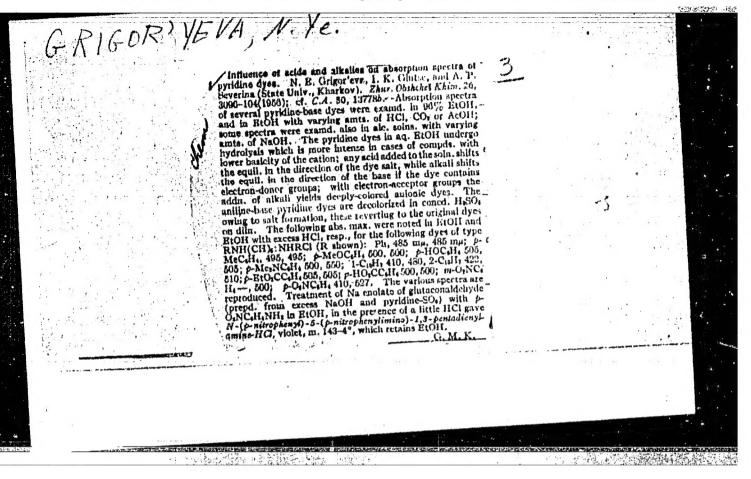
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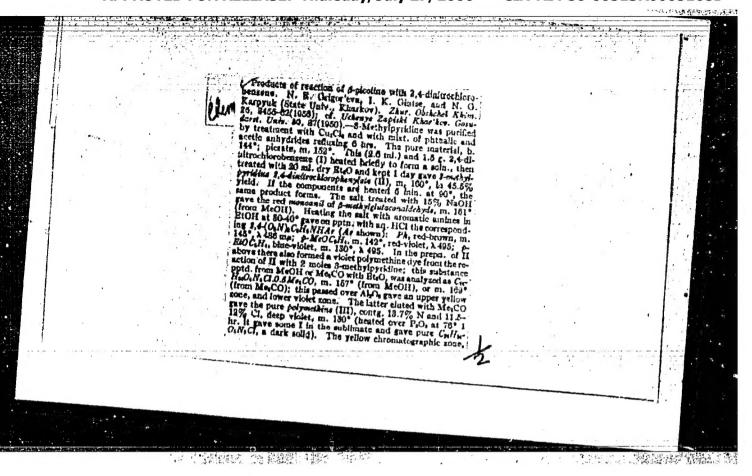




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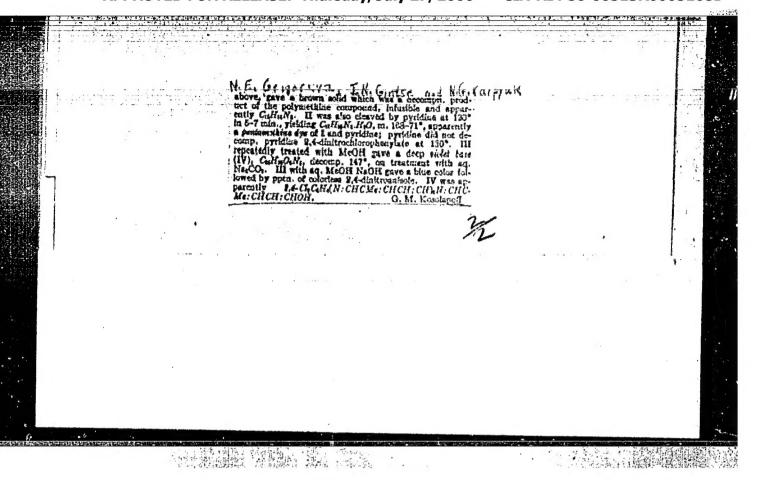
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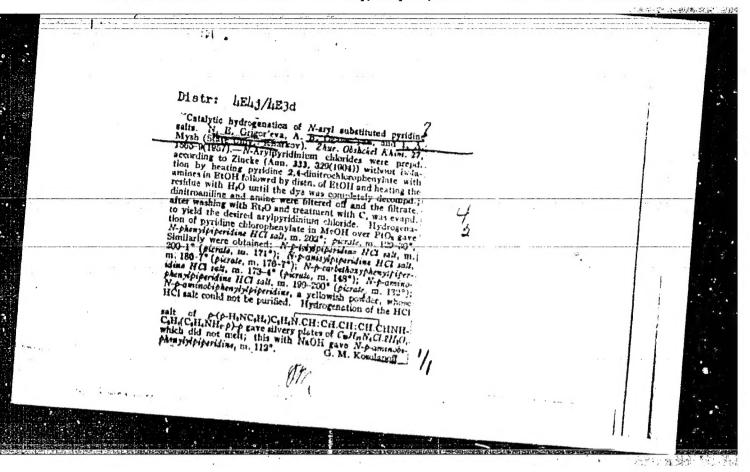


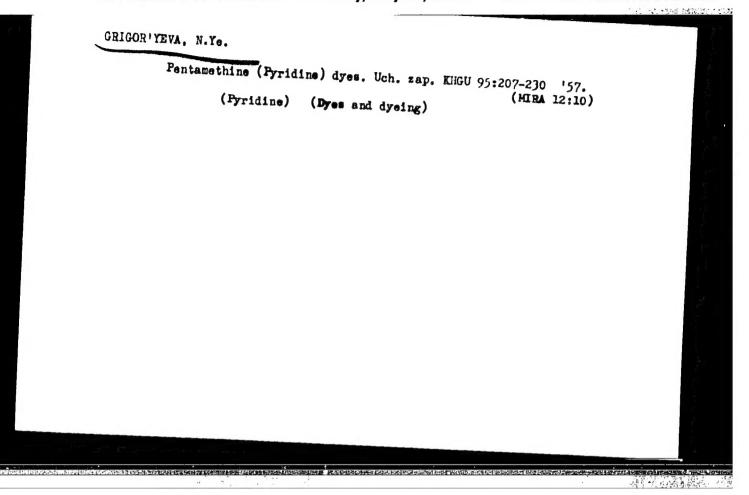


#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682







Catalytic activity of diatomite. Bent. gliny Ukr. no.2:136-140
'58. (MIRA 12:12)

1.Khar'kovskiy gosudarstvennyy universitet.
(Catalysts) (Diatomite)

AUTHORS:

Grigor'yeva, N. Ye., Pechka, A. A.

307/79-28-6-54/63

TITLE:

Monoanils of Glutaconedialdehyde (Monoanily glutakonovogo dial'degida) I. Derivatives of Primary Aromatic Amines (I.

Proizvodnyye pervichnykh aromaticheskikh aminov)

PERIODICAL:

Zhurnal obshehey khimii, 1958, Vol. 28, Nr 6,

pp. 1677 - 1681 (USSR)

ABSTRACT:

Of the derivatives of primary amines only the dinitro-substituted ones were known (Rof 1). One of the authors synthetized the corresponding anilinederivatives and other primary aromatic amines (Refs 4,5). However, the nature of these compounds was not investigated in detail as their yields were too small. In order to investigate similar compounds more closely the authors elaborated a method of synthesis of the derivatives of aniline and of other amines; in some cases they obtained considerable yields, and the authors could investigate their condensability with aromatic amines and compounds containing active methyl groups. The condensation of the monoanils with aromatic amines was carried out under different conditions: in acetic acid in the presence of hydrogen chloride and in pyridine in the presence of hydrogen

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Monoanils of Glutaconedialdehyde. I. Derivatives of 30V/79-28-6-54/63

chloride. Only in the last mentioned case a color change occurred, which could be taken as an indication as to the nature of the process of reaction, however, no definite result could be achieved. The investigations carried out of the monoanils of glutacone aldehyde showed in any way that they are of amphoteric character. Their condensability with compounds having active methyl groups can serve as indirect proof of the structure of the obtained monoanils. Thus the monoanils of glutacone aldehyde are investigated as derivatives of aromatic amines. It was shown that the unsubstituted monoanil and the monoanils of glutacone aldehyde with nucleophilic substituents in the aromatic nuclei do not enter the condensation with aromatic amines. The condensation of some monoanils with the methiodide of 2-methylbenzhiazole was carried out, however, the structure of the initial products could not be determined. There are 2 tables and 9 references, 3 of which are Soviet.

Card 2/3

Monoanils of Glutaconedialdehyde. I. Derivatives of SOV/79-28-6-54/63 Primary Aromatic Amines

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State

University)

SUBMITTED: May 12, 1957

1. Aniline derivatives -- Synthesis

Card 3/3

AUTHORS:

Grigor'yeva, N. Yo., Gintse, I. K. 307/79-28-6-55/63

TITLE:

Monoanils of Glutacome Aldehyde (Monoanily glutakonovogo dial'-degida) II. The Influence of the Medium on the Color of the Derivatives of Primary Aromatic Amines (II. Vliyaniye sredy na okrasu proizvodnykh pervichnykh aromaticheskikh aminov)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6,

pp. 1682 - 1689 (USSR)

ABSTRACT:

The problem concerning the influence of the medium on the color of the organic compounds has interested scientists already since long. The unsalty intraionoic dyes are especially sensitive to changes of the medium. Many hypotheses have already been suggested for this problem (Refs 1-5). That by Kiprianov and his collaborators is widely acknowledged (Ref 6) as are those by other authors (Ref 7) who deal with the dependence of the color change of the intraionoic dyes on the polarity of the solvent. According to this conception the dyes are divided into three types: Some deepen the color with the decrease of the dielectric constant of the solvent (1st type), the others increase it on the same conditions (2nd type), and the rest have an intermediate position (3rd type). The monoanils of glutacone aldehyde as derivatives

Card 1/3

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

Monoanils of Glutacome Aldehyde. II. The Influence of SOV79-28-6-55/63 the Medium on the Color of the Derivatives of Primary Aromatic Amines

of the primary aromatic amines are tautomeric compounds the structure of which can be represented by the mentioned formulae of scheme 1. They belong to the intraionoic compounds. Each of the mentioned formulae can be represented in form of a dipolar ion. They easily react on changes of the medium by changing their own color in various "neutral" solvents and in the presence of acids and alkali liquors. However, different from the earlier investigated intraionoic compounds (Refs 6,7) no fixed dependence of the color change on the polarity of the solvent was noticed. Therefore the authors had to investigate this problem more in detail: The relatively good solubility of the monoanils made it possible to determine their absorption spectra in many organic solvents. Thus eight monoanils of glutacone aldehyde were investigated this way. It was shown that the absorption change of these monoanilines in various solvents is connected with the structure of the complexes of the monoanil as well as with the solvent as such in the case of an equivalent possibility of conversion. Thus some considerations on the causes of the color change of the monoanils of glutacone aldehyde in various solvents, in the presence of acids and alkali liquors are mentioned.

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Monoanils of Glutacone Aldehyde. II. The Influence of 301/79-28-6-55/63 the Medium on the Color of the Derivatives of Primary Aromatic Amines

It is shown that there is no principal difference between solvatochromism and halochromism. There are 4 figures, 3 tables and 13 references, 4 of which are Soviet.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State Uni-

versity)

SUBMITTED: April 12, 1957

1. Organic compounds--Chemical properties

Card 3/3

5 (3) SOV/79-29-3-24/61 AUTHORS: Grigor yeva, N. Ye., Gintse, I. K., Afanas yeva, Z. M.

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TITLE: Pyridine Dyes, Derivatives of the Secondary Amines (Piridinovy-

ye krasiteli-proizvodnyye vtorichnykh aminov)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 865-869 (USSR)

ABSTRACT: There are only little data available on these dyes (Refs 1,2).

As to color and chemical properties they are considerably differing from the corresponding derivatives of the primary

amines. It can be seen from a comparison of the data presented

in table 1 that the unsubstituted dye is colored more intensely than the corresponding N-alkyl-substituted dyes and that the substitution of the phenyl radicals for the hydrogens of the amino groups is without any effect on the shift of the ab-

sorption maximum. The aniline derivative is readily hydrolyzed; the acid suppresses hydrolysis; in acid solution the extinction

coefficient increases by more than two times whereas the absorption intensity of the secondary amine derivatives is

hardly changed by the addition of acid. It could be concluded from a comparison of the data given in table 1 that the

Card 1/3 derivatives of the secondary amines are not hydrolyzable.

Pyridine Dyes, Derivatives of the Secondary Amines

507/79-29-3-24/61

Table 1 illustrates the results of the optical changes of the freshly prepared solutions; on the determination of the variation in the color intensity of the dyes in the time course, in dependence on the concentration, it can be seen that the derivatives of the secondary amines hydrolyze as well, the more rapidly the less the basicity of the cation and the concentration of the dye is. As can further be seen the N-methylsubstituted dye hydrolyzes least, considerably, however, the diphenylamine derivative. These facts show that the hydrolysis of derivatives of the secondary amines is also related to the basicity of the cation the degree of which is determined not only by the nature of the radical but also by its volume. Figures 1 and 2 present the absorption spectra of the dyes of the diphenylamine and methylaniline derivatives in neutral, alkaline and acidified alkaline medium. Figures 3 and 4 give the spectra of the corresponding moneanils of the glutaconic aldehyde. Four N-substituted pyridine dyes and two monoanils of the glutaconic aldehyde were synthesized. Four preparations are new. It is assumed that the peculiarities in the dyeing of the N-alkyl-substituted dyes and their cleavage

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Pyridine Dyes, Derivatives of the Secondary Amines

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under the influence of alkali liquor are due to difficulties of the spatial arrangement which is indicated by their absorption spectra. There are 4 figures, 3 tables, and 9 ref-

erences, 2 of which are Soviet.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State

University)

SUBMITTED: January 28, 1958

Card 3/3

5(3) AUTHORS:

Grigor yeva, R. Ye., Voynova, V. N.

507/79-29-3-37/61

and Dukina, L. M.

TITLE:

Unsymmetrical Pyridine Dyes (Nesimmetrichnyye

piridinovyje krasiteli)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 3,

pp 935-940, (USSR)

ABSTRACT:

It is known that the color of the unsymmetrical dyes represents in a certain degree a "molecular mixture" of the corresponding symmetrical dyes; the color of the unsymmetrical dyes has, however, not always an additive character (Ref 1). The authors completed the chemical and spectroscopic investigations reported in references 2-5 and analyzed the absorption spectra of 17 pyridine dyes obtained by them according to Zinke (Ref 6). These

dyes were synthesized by the condensation of the

N-substituted monoanils of the glutaconic aldehyde with aromatic amines in the presence of acid according to the well-known scheme 1. In order to avoid the disagreable

Card 1/3

intensification of the color of the alcohol solutions of

Unsymmetrical Pyridine Dyes

SOV/79-29-3-37/61

the dyes by hydrolysis hydrochloric acid was added to the alcohol solutions in the spectroscopic investigation of unsymmetrical dyes. Table 1 gives the data of the optical determinations of the unsymmetrical and the corresponding symmetrical pyridine dyes. The maximum values of the symmetrical dyes, the secondary amino derivatives, are presented in column (I), the primary amino derivatives in column (II), the calculated

additive maximum in column  $\frac{(1)+(11)}{2}$ . By a comparison of the data given in table 1 it can be seen that the color of eight dyes (2,3,5,8,10,12,15,16) is of additive nature, that in six dyes (1,4,6,7,11,14) a hypsochromic shift from the additive maximum is observed and that in three dyes (9,15,17) the maximum moves in the direction of the long waves. It is thus seen in most of the cases that the change in the color depends on the change of the basicity of the amines which form the molecule of the unsymmetrical dye (according to Kiprianov, A. I. and Pilyugin, G. T.).

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Unsymmetrical Pyridine Dyes

507/79-29-3-37/61

There are 2 tables and 9 references, 6 of which are Soviet.

ASSOCIATION: Khar kovskiy gosudarstvennyy universitet (Kharkov State

University)

SUBMITTED:

January 28, 1958

Card 3/3

5.3610

78305 \$00/79-30-3-59/69

AUTHORS:

Grigor'yeva, N. Ye., Gintse, I. K., Lyubitskaya, T. A.

TITLE:

Products of Hydrogenation of N-phenylpyridinium Chloride. Condensation of N-phenylpiperidinium Hydrochloride With p-Dimethylaminobenzaldehyde

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 1031-1037 (USSR)

ABSTRACT:

This is a continuation of previous work (N. Ye. Grigor'yeva, A. B. Organes'yan, I. A. Mysh, ZhuKh, 27, 1565, 1957) on hydrogenation of N-phenylpyridinium chloride (I) over a platinum catalyst under different conditions. The method used was described previously (see above reference). Condensation of N-phenylpiperidinium hydrochloride (II) with p-dimethyl-aminobenzaldehyde (III) was also studied. It was found that an hydrogenation of (I) over a platinum catalyst, a mixture of N-phenyl- and N-cyclo-

hexylpiperidinium hydrochlorides is formed. The

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#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

Froducts of Hydrogenation of N-phenylpyridinlum Chloride

78305 **SOV/79-30-3-59/6**9

hexylpiperidinium hydrochlorides is formed. The ratio of the two hydrochlorides in the mixture depends on the conditions of hydrogenation. Condensation of (II) with (III) in acetic anhydride first forms a blue dye. The latter is unstable and on heating decomposes with formation of a red dye. The blue dye was not isolated. Its color is very close to that of Michler's benzhydrol, and it is possible that they are analogs. The red dye is slightly soluble in water, more soluble in alcohol and dichloroethane. It does not crystallize, and has the following absorption maxima: in alcohol 496, in water 504, and in dichloroethane 504 m $\mu$ . It is suggested that the red dye is a salt with structure a:

Card 2/3

Products of Hydrogenation of N-phenylpyridinium Chloride

$$\begin{bmatrix} H_2C & G=GH- \\ H_2C & G=GH- \\ & & & \\ H_2G & GH \\ & & & \\$$

There are 2 figures; 2 tables; and 5 references, 1 U.S., 2 German, 2 Soviet. The U.S. reference is: C. F. Winans, H. Adkins, J. Am. Chem. Soc., 54, 306 (1932).

ASSOCIATION:

Kharkov State University (Kharkovskiy gosudarstvennyy

universitet)

SUBMITTED:

September 1, 1958

Card 3/3

GRIGOR'YEVA, N.Ye.; KRUGLYAK, L.P.; SHCHERBAKOVA, L.I.

Absorption spectra and structure of glutaconaldehyde dianils. Zhur.ob.khim. 31 no.8:2599-2604 Ag '61. (MIRA 14:8)

1. Khar kovskiy gosudarstvennyy universitet.
(Glutaconaldehyde) (Amines—Spectra)

GRIGORIYEVA, N.Ye.; SHCHERHAKOVA, L.I.; GINTSE, I.K.

Catalytic hydrogenation of dianils of glutaconaldehyde and their slats (pyridine dyes). Ukr.khim.zhur. 28 no.7:848-851 '62. (MIRA 15:10)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo.
(Dyes and dyeing) (Glutaconaldehyde) (Aniline)

GRIGOR'YEVA, N.Ye.; RODIONOVA, L.A.; SHCHERBAKOVA, L.I.; TYUPA, D.P.

Certain transformations of glutaconaldehyde dianils. Zhur. ob.khim. 32 no.2:493-501 F '62. (MIRA 15:2)

1. Khar'kovskiy gosudarstvennyy universitet.
(Glutaconaldehyde)

\$/062/63/000/002/004/020 B144/B186

AUTHORS :

Mayranovskiy, S. G., Grigor'yeva, N. Ya., Burashkova, N. V.,

and Kucherov, V. F.

TITLE

Conjugation factors in cyclic systems. Communication 6. Polarographic and potentiometric study of electron interaction offects in cyclohexadiene-1,2 dicarboxylic acids and their methyl esters

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 2, 1963, 240 - 245

TEXT: Cyclohexene and cyclohexadiene-1,2 dicarboxylic acids and their dimethyl esters were studied polarographically and potentiometrically to clear up the problem of possible interactions between the double bonds of the ring. The polarograms of

Card 1/3

Conjugation factors in ...

S/062/63/000/002/004/020 B144/B186

were taken at 25°C using 0.05 M tetramethyl ammonium iodide solution containing 9.5% by volume ethanol. The effect of pH and ionic strength was investigated in borate buffer solutions (pH 7 - 10.5), 0.1 N NaOH, and potassium chloride solutions. The anode was an Hg electrode, the reference electrode was a calomel half-cell. The ionization constants were determined at  $\sim 20^{\circ}$ C and initial concentrations of  $\sim 0.001$  M. For all compounds except III the reduction wave was pH-independent. For I, II, V, VI the ion transference number is 2, the diffusivity 6.5·10<sup>-6</sup> cm<sup>2</sup>/sec. The polarographic curves showed two steps; the difference between their E  $_{1/2}$  could be altered

neither by increasing the depolarizer concentration nor by raising the temperature and ionic strength of the solution nor by varying the height of the Hg column. This indicates that the two reduction steps are irreversible and occur due to hydrogenation of the double bond involving formation of a relatively stable free radical intermediate. In IV, the two double bonds

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Conjugation factors in ...

8/062/63/000/002/004/620 B144/B186

are hydrogenated successively. Electrochemical reduction was absented where the double bond is conjugated with neither of the two CO<sub>2</sub>CH<sub>2</sub> groups...

All this was confirmed by the analogous relation between ionization constants and structures of the corresponding acids. It was found that the ester is more easily reduced and the dissociation constant of the acid increases on conversion of I and V into II and VI respectively. Since the steric interaction of the atoms does not change, these effects must be attributed to an electron interaction between the isolated double bonds in II and VI. There are 3 figures and 1 table.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences USSR)

SUBMITTED: May 18, 1962

Card 3/3

BELOV, I., inzh.; GRIGOR'YEVA, O., inzh.

"Topaz-2" and "Start-2" pocket radios. Radio no.9:38-39 S'63.(MIRA:6:12)

1. Institut radioveshchatel'nogo priyema i akustiki imeni A.S.

Popova.

CRIGOR'YEVA, O. A.: Master Med Sci (diss) -- "Clinical observations in acute hepatitis treated with intravenous drop transfusion of glucose". Leningrad, 1959.

17 pp (Leningrad Pediatric Med Inst), 250 copies (KL, No 13, 1959, 111)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

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KHOKHLOV, V.V.; GRIGOR'YEVA, O.A.; RIVLINA, N.Ya.

江沙寶建設 海海港海縣 子拉达

Accuracy of the spectrum determination of the content of a series of elements in metallometric samples. Zap. LGI 39 no.2:149-162 61. (MIRA 15:2)

(Ores -- Sampling and estimation)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

GRIGOR'YEVA, O.A.; KVYATKOVSKIY, Ye.M.

Highly sensitive double-arc method of spectrographic analysis for the detection of gold and some disseminated elements.

Zap. IGL 45 no. 2:74-80 '63. (MIRA 17:5)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

L 11072-65 EWT(m)/EPF(c)/EWA(d)/EPR/EWP(j)/T Pc-l<sub>1</sub>/Pr-l<sub>1</sub>/Ps-l<sub>1</sub>/P1-l<sub>1</sub> RPL/AFMDC/AFETR/ASD(a)-5/ESD(dp) RM/WW/JW/JD S/3115/64/000/021/0344/0358

AUTHOR: Burovoy, I. A.; Yemel'yanov, S. V.; Horozova, H. S.; Grigor'yeva, D. A.

TITLE: The use of variable structure feedback systems in the control of thermo-

SOURCE: Mascow. Gosudarstvennyky institut tsvetnykh metallov. Sbornik nauchnykh trudov, no. 21, 1964. Hatematicheskiya modeli tekhnologicheskikh protsessov i razrabotka sistem avtomaticheskogo regulirovaniya s peremennoy strukturoy (Mathematical models of technological processes and development of variable structure feedback systems), 344-358

TOPIC TAGS: variable parameter control system, automatic regulation, heterogeneous process, thermochemical process.

ABSTRACT: The most convenient and effective regimes for thermochemical heterogeneous processes cannot be controlled by linear methods because the variables which must be controlled are described by nonlinear differential equations with unstable singularities in the phase plane. The stability of these points depends largely on initial conditions, so that in order to accommodate realistic disturbances in the system, feedback controls with variable structure must be used. Using the method of multi-sheeted phase planes, developed by V. V. Petrov and

L 11072-65 ACCESSION NR: AT4047300

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G. M. Ulanov, the authors studied the phase plane topology as a function of the sign and magnitude of the static gain coefficient  $K_p$  of the control system. This is done by assuming a process with two singularities only, deriving the expressions for their phase plane coordinates for processes limited by constant velocity of the surface chemical reaction or concentration of the gaseous component, or by both, and investigating the behavior of these coordinates as  $K_p$  changes. It was discovered that if  $K_p = K_p$  crit., both singularities change places and if  $K_p \neq K_p$  crit then  $K_p$  does not influence the coordinates very much. This leads to the conclusion that if the system structure  $(K_p)$  is varied during the transient process, the system can be organized in such a way that it will return to the origin from any given initial point and will have a very wide (sometimes unlimited) stable region. Orig. art. has: 13 equations and 8 figures.

ASSOCIATION: Gosudarstvennyky institut tsvetnykkh metallov, Moscow (State Institute of Non-Ferrous Metals)

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OTHER: 002

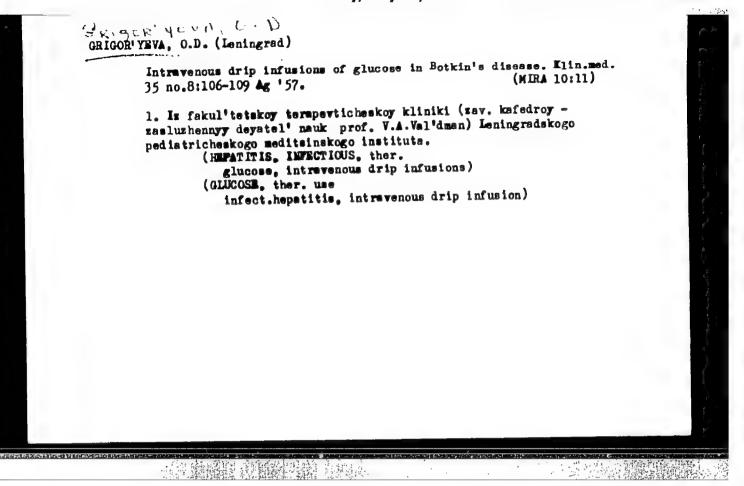
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APPROVED FOR RELEASE: Thursday, July 27, 2000

Card 2/2

CIA-RDP86-00513R00051682(

The Author



#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00051682

Dynamics of serum protein fractions in acute hopatitis. Vop.
pat. krovi i krovoobr. no.5:69-61 '99.
(HEPATITIS, INPECTIOUS) (BLOOD PROTEINS)
(PAPER ELECTROPHORESIS)

GRIGOR'YEVA, O.D., kand.med.nauk

Electrophoretic studies of blood protein fractions and hemosedimentographic observations in rheumatic fever. Vop.pat. krovi i krovoobr. no.6:73-79 \*61. (MIRA 16:3) (RHEUMATIC FEVER) (BLOOD—SEDIMENTATION) (BLOOD PROTEINS)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

SMIRNOVA, A.M., kand.med.nauk; GRIGOR'YEVA, O.D., kand.med.nauk

Glinical serological parallels in rheumatic fever. Vop.pat.krovi
i krovoobr. no.6:80-88 '61. (MIRA 16:3)

1. Iz Fakul'tetskoy terapevticheskoy kliniki Leningradskogo pediatricheskogo meditsinskogo instituta (zav. - prof. V.A. Val'dman)
i Otdela mikrobiologii Instituta eksperimental'noy meditsiny AMN
SSSR (zav. - chlen-korrespondent AMN prof. V.I. Ioffe).

(RHEUMATIC FEVER) (SEROLOGY)

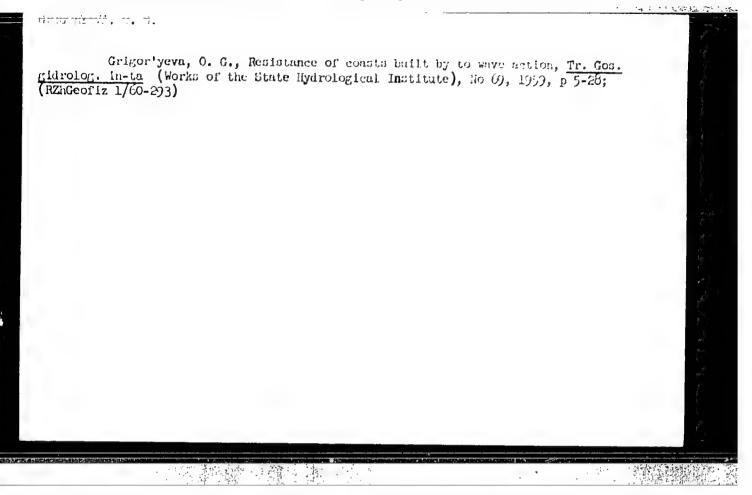
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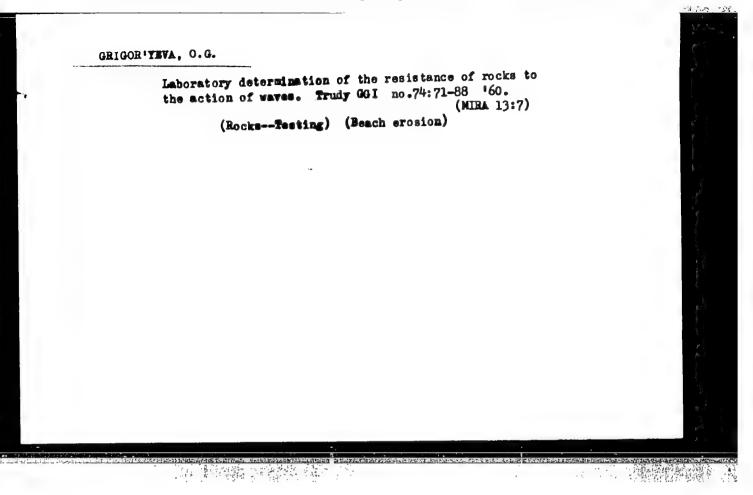
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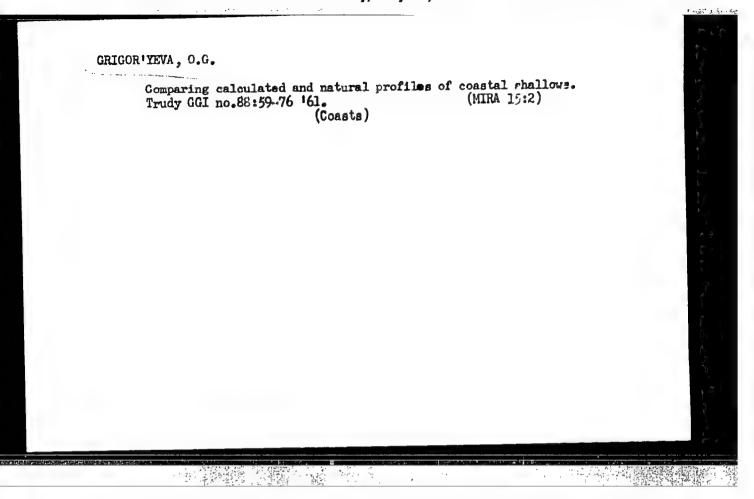
Jose clinical and laboratory observations in the small of fever and fecal infections. Trudy Lifti 31 no.2:336-348 163. (MIRA 17:19)

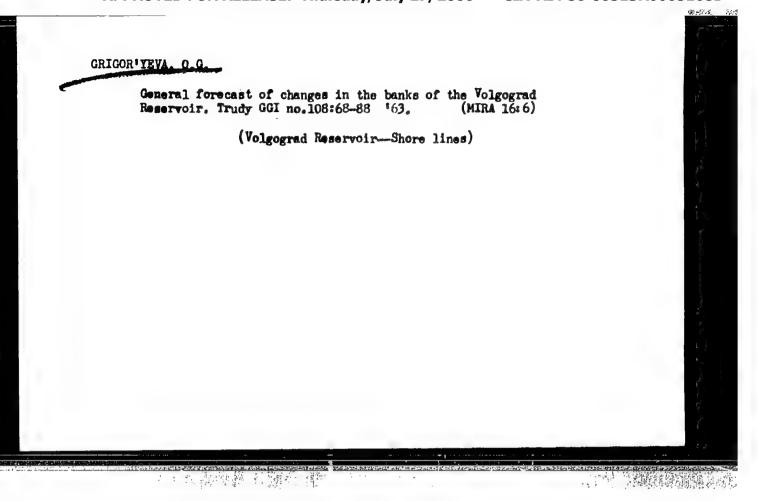
1. To fakel tetokoy tempevitchenkey windth beningradorate pediatorichoskogo menditminskogo instituta i Cidela mikrobiologii i mikrobiologii ANI NURA.

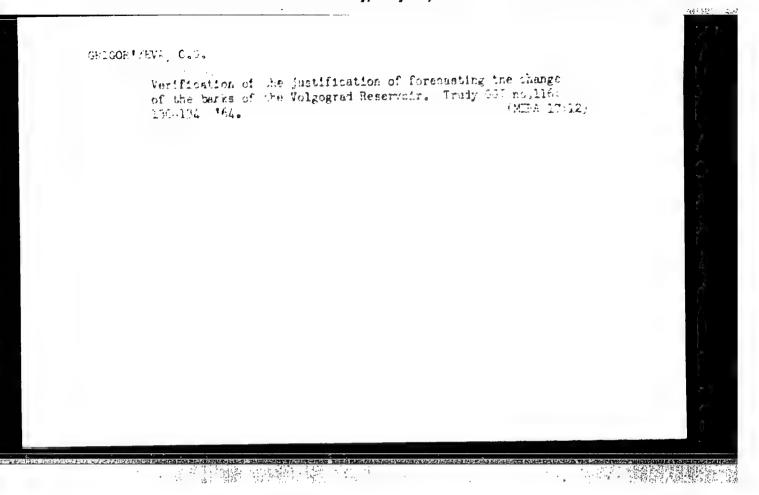


GRIGOR\*YEVA, O. G., Cand Geogr Sci (diss) -- "The resistance to wave action of shorelines composed of cohesive and semirock stone". L ningrad, 1960. 17 pp (Leningrad Order of Lenin State U im A. A. Zhdanov), 225 copies (KL, No 15, 1960, 132)









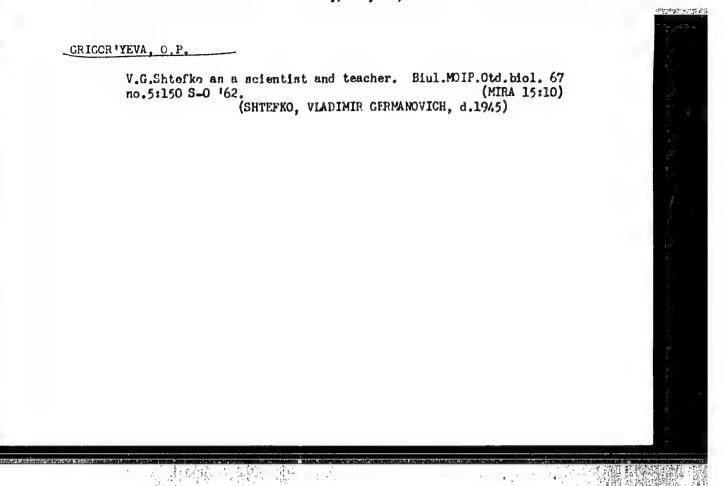
SHAPIRO, I.I.; PEDOTOV, F.G. Prinimali uchastiye: PEGUSHEY, M.Ye.; ORIGOR'YEVA, O.I.; POPOVA, L.P.; GONCHAROV, M.Ya.; VOLNISTOVA, I.V.; SOROKIKA, G.Ye., tekhn.red.

[General machinery industry time norms for establishing norms for milling machine operations; small-lot and piece production]
Obshchemashinostroitel nye normativy vremeni dlia tekhnicheskogo normirovaniia rabot na frezernykh stankakh; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashino-stroit.lit-ry, 1960. 142 p.

(MIRA 14:4)

1. Moscow. TSentral now byuro promyshlennykh normativov po trudu. 2. Zaveduyushchiy otdelom mashinostroyeniya TSentral nogo byuro promyshlennykh normativov po trudu pri Nauchno-issledovatel skom institute truda (for Shapiro).

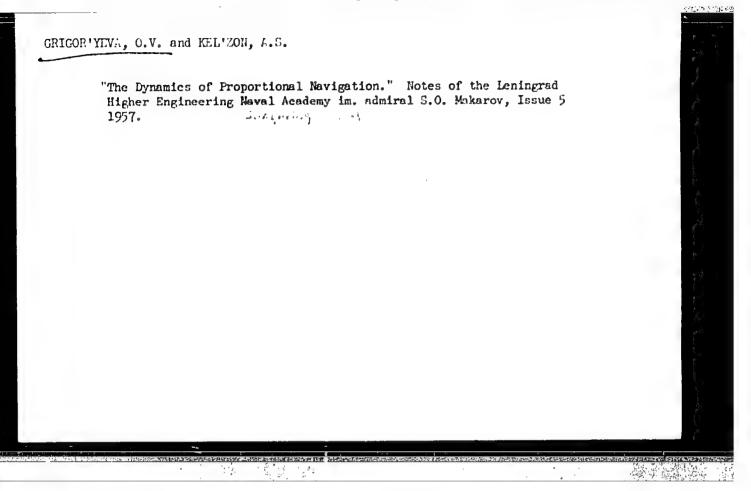
(Metalwork--Production standards)



POLUSHINA, T.V.; RUDNITSKAYA, M.Z.; GRIGOR'YEVA, Q.V.

Antishock fluid on the basis of plasma albumin in donor blood. Probl. gemat. i perel. krovi 5 no.3:52-55 Mr '60. (MIRA 14:5)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Bogdasarov).
(SHOCK) (ALBUMINS\_\_THERAPEUTIC USE)



Kel'zon, A.S. and Grigor'yeva, O.V. AUTHOR:

SOV/20-121-3-10/47

(Leningrad)

The Proportional Navigation as a Problem of Cybernetics TITLE:

(Proportsional'naya navigatsiya kak problema kibernetiki)

Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 3, pp 432-435(USSR) PERIODICAL:

Starting from the papers of Newell [Ref !] and Spitz [Ref 2] ABSTRACT:

who investigated the kinematics of guided missiles, the authors consider the dynamics of guided missiles under proportional navigation and the suitable choice of a control of motion which would guarantee a stable tending of the object to the target. The consideration of the dynamic equations for the considered motion admits to explain partially the apparent discrepancies (the necessity of non-hitting) in the papers of Locke [Ref 6]

and Adler [Ref 9] .

There are 10 references, 3 of which are Soviet, and 7 American.

ASSOCIATION: Leningradskoye vyssheye inzhenernoye morskoye uchilishche imeni admirala Makarova (Leningrad Higher School of Naval

Engineering imeni Admiral Makarov)

March 27, 1958, by V.I. Smirnov, Academician PRESENTED:

Card 1/2

S/147/61/000/004/003/021 E031/E184

10.1240

AUTHORS:

Grigor'yeva, O.V., and Kel'zon, A.S.

TITLE:

The calculation of control inertia in certain

guidance problems

FERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,

Aviatsionnaya tekhnika, no.4, 1961, 22-29

TEXT: It has been shown that all estimates of manoeuvrability based on the value of the normal acceleration of the centre of inertia are inadequate. The conditions of stable missile guidance with consideration of the inertia of the controlling airfoil are discussed for the following cases of homing: 1) with a zero lead angle (pure pursuit course); 2) with a constant lead angle (deviated pursuit course); and 3) with the use of the proportional navigation course (approach). The limit values, in pursuit courses, of the velocity and acceleration of the control-flap declination in the final stage of approach are determined from given formulae for certain values of  $k = v_s/v$  ( $v_s = speed$  of the target, v = speed of missile inertia centre). In the proportional navigation course Card/1/2

The calculations of control inertia. \$\frac{5}{147}\displays{01}/000/004/003/021

equations of motion are given for the navigational correction A=2; the solution shows the relationship between the angle of control-flap declination and the lead angle. This relationship ensures that the controlled object will follow the trajectory exactly. The condition for hitting the target is  $p \ge 1$  (p=1/k). The stability boundaries for guidance of the missile in the final stage are calculated from the turning rate of the path, while velocity and acceleration are determined from the control-flap declination. The results are plotted in a diagram from which the effect of the control-flap inertia can be determined. Since the pursuit courses are particular cases of the proportional navigation course with A=1, it is concluded that the increase of the navigational correction widens the stability boundaries in the guidance of a missile in the final stage of its flight. There are 1 figure and 2 tables.

ASSOCIATION: Kafedra teoreticheskoy mekhaniki, Leningradskoye

vyssheye inzhenernoye morskoye uchilishche

Card 2/2

(Department of Theoretical Mechanics, Leningrad

Naval Engineering High School)

SUBMITTED:

January 23, 1961

Considering the inertia of the rudder in some problems of pinpointing. Izv.vys.ucheb.zav.; av.tekh. 4 no.4:22-29 '61.

(MIRA 15:2)

1. Leningradskoye vyssheys inzhenermoye morskoye uchilishche.

(Alectric des problems of pinpointing. Izv.vys.ucheb.zav.; av.tekh. 4 no.4:22-29 '61.

(MIRA 15:2)

1. Leningradskoye vyssheys inzhenermoye morskoye uchilishche.

(Bombing, Aerial)

FEDOROVA, L.I.; GRIGOR'YEVA, O.V.; KOZINETS, G.I.

Preparation of plasma by formation of increased pressure in flasks. Probl. gemat. i perel. krovi 9 no.3:57-58 Mr '64. (MIRA 17:10)

1. TSentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (dir.- dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya

SSSR.

GRIGOR TEVA. P.V. dots.

A.V. Koni and his work in the field of Bussian forensic medicine.
Trudy LMI 2:295-300 \*55 (MIRA 11:8)

1. Kafedra sudebnoy meditsiny (zav. - prof. A.P. Kurdyumov) Pervogo Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova.

(KONI, ANATOLII PREDOROVICH, 1844-1927) (MEDICAL JURISPRUDENCE)

DONIGEVICH, M.I., kand.med.nauk; GRIGOR'YEVA, R.I., kand.med.nauk; ZHUCHKOVA, L.O.; KADOMTSEVA, P.P.; SHEINOVA, N.P. (Mordovskaya ASSE)

Organization of psychoprophylactic preparations for all parturients in Saransk. Vop.okh.mat. i det. 4 no.5:74-78 S-0 '59.

(SARANSK--CHILDEIRTH--PSYCHOLOGY)

(MIRA 13:1)

SOV/110-59-6-3/24

AUTHOR: Sakovich, A.A., Candidate of Technical Sciences;

Grigor'yeva, R.I., Engineer; Grigor'yev, V.S., Engineer

and Blond, I.V., Engineer

TITLE: An Investigation of a Titanium Abscrption Pump

(Issledovaniya titanovogo absorbtsionnogo nasosa)

PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 6, pp 13-16 (USSR)

ABSTRACT: Existing types of vacuum pump are subject to various operating difficulties when installed on high-voltage

valves. The pump here described is based on the

principle that titanium does not react with mercury but

can absorb gas when hot. Hot titanium reacts irreversibly with most gases and volatile organic

compounds. These substances penetrate the crystal

lattice of the titanium, forming solid solutions. Except for hydrogen, gases thus absorbed are not released during

subsequent heat-treatment under vacuum. This principle formed the basis of the model absorption pump which is

formed the basis of the model absorption pump which is illustrated diagrammatically in Fig 1. The absorber is a block of porous titanium containing a heater. Because

different parts of the block are heated to different

Card 1/5 temperatures different gases are absorbed. The device

SOV/110-59-6-3/24

An Investigation of a Titanium Absorption Pump

was found to be fairly effective at pressures between 0.5 and 0.001 mm Hg. As porous titanium contains a considerable quantity of occluded gas, prolonged de-gasification was necessary. The device does not absorb inert gases and evolution of hydrogen is possible if the thermal conditions are unsuitable. Titanium absorbs gases best when it is condensing on a surface and attempts have been made to use this principle in the construction of pumps. However, as pumps of this kind are complicated and unreliable, improved methods of atomising titanium were sought. It was accordingly decided to locate the titanium in the mercury cathode and atomise it by ionic bombardment in the presence of a cathode spot. A model absorption pump constructed on this principle is shown in Fig 2; it is installed in a high-voltage valve. Authors' certificate Nr 111517 of 11th March 1957 has been taken out by three of the above authors for this device. The titanium electrode is on the centre line of the valve and is surrounded by an auxiliary electrode at a positive potential. When

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An Investigation of a Titanium Absorption Pump

negative potential is applied to the titanium electrode an ionic current passes causing atomisation. The atomised titanium is deposited on a screen and on the auxiliary electrode, creating an active surface that effectively absorbs the gas. The screen protects the internal parts of the valve from contamination with atomised titanium. Some results of tests on the absorbing power of atomised titanium obtained with this model are plotted in Fig 3. It was found that when pumping\_air the lower limit of pressure is below  $2 \times 10^{-5}$  mm Hg. The weight of absorption with a current of 2.5 mA and a voltage of 2.5 kV for various gases is tabulated; the figures relate to a volume of 20 litres with an initial pressure between 60 and 70 microns Hg. The electrical circuit shown diagrammatically in Fig 4 may be used to supply the electrodes of the device. Employing this simple circuit, it was possible to make up a sample titanium absorption pump and instal it in a mercury rectifier type VR-3M as illustrated diagrammatically in Fig 5. The valve was subjected to

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sov/110-59-6-3/24

An Investigation of a Titanium Absorption Pump

the usual manufacturing cycle of vacuum treatment and forming. After evacuation by a mercury pump, the valve was connected to the absorption pump. Tests were then made on the rectifier on a low-voltage bench and at high voltage using an equivalent circuit. The electric strength was checked periodically by static tests. The valve was maintained for 2000 hours without the mercury pump in use and operated under load for about 400 hours: there was no case of pump failure. When the valve was left for a long time without pumping, leakage caused the internal pressure to rise to some 5 or 10 microns Hg but when the absorption pump was connected the vacuum was soon restored. A defect of the pump is that it absorbs inert gases only very slightly: hence, if there is an appreciable ingress of air, atmospheric argon may accumulate in the valve. The service life of the absorption pump, though not yet established, is likely to be considerable and can probably be made of the order of 10000 hours. The power required for the pump is about

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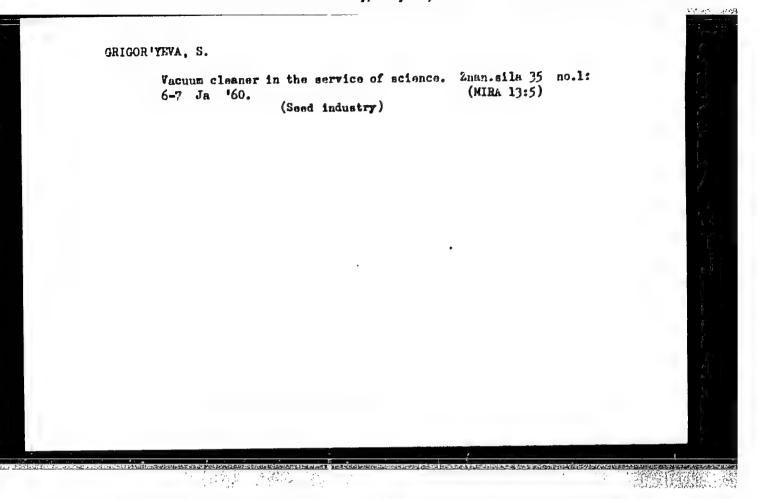
SOV/110-59-6-3/24 An Investigation of a Titanium Absorption Pump

100 W, most of which is absorbed by the auxiliary electrode. By a slight change in construction the latter could be used as an excitation anode; the power required to operate the pump would then be considerably reduced. One of the advantages of the pump is its high pumping speed at low pressures. A disadvantage is the presence of a high voltage on the auxiliary electrode which, amonst other things, limits the upper pressure to between 200 and 500 microns Hg: beyond this limit corona occurs and atomisation of the electrode is much reduced. There are 5 figures, 1 table and 3 references, 1 of which is Soviet, 1 English and 1 German.

Card 5/5

GRIGOR' YEVA, S.

Fruit growers from the Urals. Zdorov'e 2 no.9:26 S '56. (MIRA 9:10) (URAL MOUNTAIN REGION--FRUIT CULTURE)



(MIRA 15:7)

SAMARINA, V.S.; NOVOZHILOVA, Ye.V.; GRIGOR'YEVA, S.A.

Formation of the salt composition of underground water in some regions of Central Asia. Vest. IGU 17 no.12:22-31 '62.

(Soviet Central Asia-Water, Underground-Composition)

RAPID CONSTRUCTION OF PETFOLEUM refineries in Bashkivia.

Prom. stroi. 38 no.6:28-29 °60. (MIRA 13:7)

1. Institut BashNIIStroy (for Grigor'yeva).
(Bashkiria--Petroleum refineries)

GRIGOR'YEVA, S.I., inzh.; FEDORTSEV, I.V., inzh.

Large-block assembly of tubestills. Trudy BashNIIStroi no.1:
109-121 '62. (MIRA 17:3)

ANTONOV, A.S.; LAYKOVA, N.F.; IVANOVA, P.V.; GRIGOR'YEVA, S.P.; BELOZERSKIY, A.N., akademik

Changes in the amino acid composition of fibroin of the silkworm Bombyx mori L. induced by the analogs of the nitrogen bases of DNA and RNA. Dokl. AN SSSR 155 no. 5:1201-1204 Ap 164. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

BELOUSOV, M.S.; POKLADA, I.I., prof.; BEZRUKIKH, P.S.; BARNGCL'TS, S.B.; ZLOBINA, P.P.; GRIGOR'YEVA, S.T.; MEDVEDEVA, R., red.; TELEGINA, T., tekhn. red.

[A course in accounting] Kurs bukhalterskogo ucheta. 2., perer. i dop. izd. Moskva, Gosfinizdat, 1963. 488 p. (MIRA 16:11)

(Accounting)

Coptical activity, density, and molecular weight of oil fractions of petroleum from the Saratov field, Report No.5. Ucb.zap. Sar.un. Typ. fiz. 56:129-138 '57.

(Saratov region—Petroleum)

GRIGOR'YEVA, FA.

KHISS, A.Ye., HYABTEVA,Z.S., RUKINA,Ye.A.,KIRIK, M. & GIGGRIYZVA,T.A.

--"Fagin--Complex Preparation for the Treatment of Refractory Infected Wounds."

So: Byul. Ekoper.Biol. i Med. 1944(9).(Quoted in Referaty 1945)

GRICORIEVA, T.A.

"Innervation Of The Internal Organs." (p.134) by T.A. Grigorieva (Moscow)

SO: Progress of Contemporary Biology (Usp. Sovrem. Biol.) Vol. XXVIII, 1-49, No. 1 (4)

(July-Aug.)

GRIGOR'YEVA, T. A.

29879

Immyervatsiya kapillyarov. doklady akad. nauk SSSR. novaya syeriya, t. LXVIII, No. 3, 1949, s 589-92. - Bibliogr: 11 maxv.

SO: LETOPIS ' NO. 40

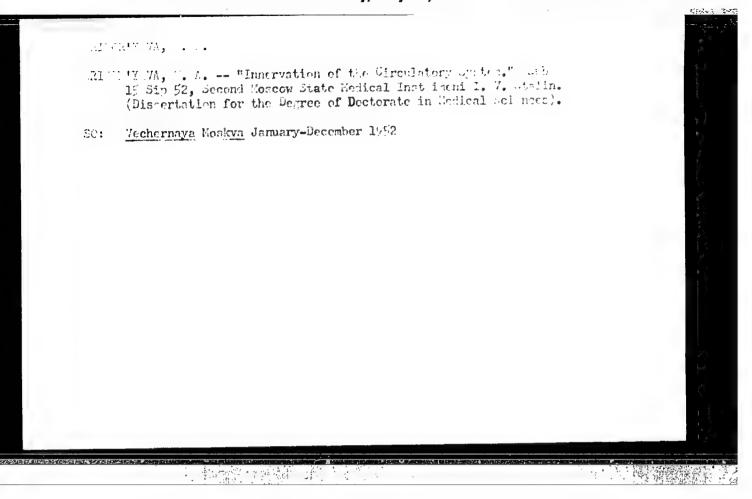
GRIGOR'YEVA, T. A.

Synapse in region of the capillary bed., Uch. zap. Vt. mosk. med inst. 2, 1951 Capillaries, USSR (600)

#### GRIGOR'YEVA, T.A.

Cause of trophic disorders in regions of the body deprived of sensitivity. Doklady Akad. nauk SSSR 78 no.2:387-390 11 May 1951. (CLML 20:9)

- 1. Second Moscow State Medical Institute imeni I.V. Stalin.
- 2. Presented by Academician A.D. Speranskiy 26 February 1951.



GRIGOR'YEVA, Tat'yana Andreyevna; SHUBIN, A.S., redaktor; SACHEVA, A.I., tekhnicheskiy redaktor

[Innervation of the blood vessels] Innervatsiia krovenosnykh sosudov.

Moskva, Gos. izd-vo med. lit-ry, 1954. 373 p. (MLRA 8:3)

(Blood vessels—Innervation)

DOIGO-SCBUROV, B.A., professor, redaktor; GERBIL'SKIY, N.L., redaktor; GRIGOR'YEVA., T.A., redaktor; YELISEYEV, V.G., redaktor; ZHDANOV, D.A., redaktor; ENOPPE, A.G., redaktor EUPRIYANOV, V.V., redaktor; MIKHAYLOV, V.P., redaktor; PRIVESA, M.G., redaktor; STUDITSKIY, A.N., redaktor; SHCHELEUMOVA, S.I., redaktor; KHARASH, G.A., tekhniche-ekiy redaktor

[Problems in the morphology of the nervous system] Problemy morfologic nervnoi sistemy [Leningred] Gos. izd-vo med. lit-ry, Leningredskoe otd-nie, 1956, 179 p. (MIRA 10:2)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Dolgo-Soburov)
(MERVOUS SYSTEM)

Erigoreva, TH.

USSR/General Division. History. Classics. Personnel.

**A-2** 

Abs Jour: Ref. Zhur. Biologiis, No 4, 1958, 14131.

Author : Grigoreva T.A.

Inst Title : I.M. Sechenov and His Thoughts on the Structure of the Mervous

System (On the Piftieth Anniversary of His Death)

Orig Pub: Arkhiv anatomii, gistol. i embriologii, 1956, 33, No 2, 7-13

Abstract: The numerous hypotheses of Sechenov on the structure of the nervous system, which were confirmed by later research, are cited. The under-estimation of Sechenov's hypothesis that the inhibiting fibers are intercentral and end, not in the miscles, but in the corresponding nerve centers, is pointed out. Considerations are cited against the newest propositions

on the interchangeability of nerve elements.

Card : 1/1

-7-

GRIGOR! TEVA., T.A.; SAVICH, G.A. (Moskva)

Meeting of the Moscow Society of Anatomists, Histologists, and Embryologists. Arch.anat.gist.i enbr. 33 no.3:100-101 (MIRA 12:11)

J1-S \*56. (ANATOMY--FERIODICALS)

CRICOR'YVA. T.A. (Moskva, 1-41, 1-ya Meshshanskaya, d. 90/96
kv. 9.)

The structure of unmyelinated nerve fibers; review of foreign literature.
Arkh. anat. gist. i embr. 34 no.1:121-128 Ja-7 '57

(MLRA 10:5)

1. Iz kafedry gistologii (zav.-chl.-korr. AN SSSR, zasl. deyst. nauki, prof. G.K. Khrushchov) II Moskovskogo gosudarstvennogo meditsinskogo instituta in. I.V. Stalina.

(NERVES, anat. and histol.

unmyelinated fibers structure, review)

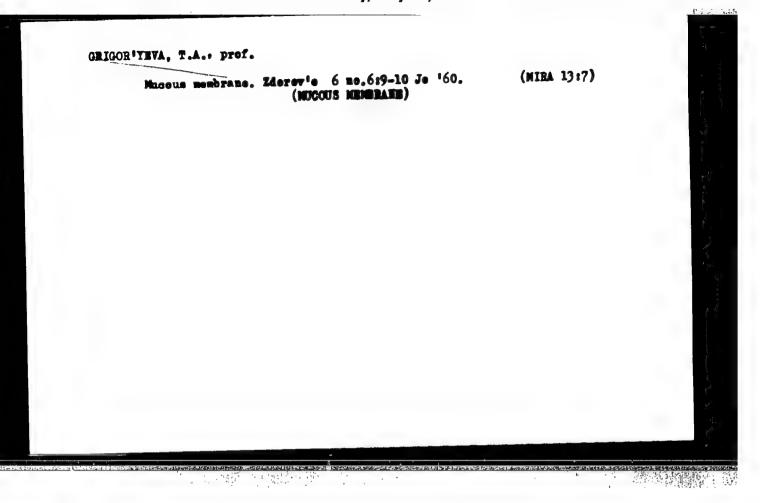
"Journal of comparative neurology" Lin English, Vols.104-105, 1956. Reviewed by T.A. Grigor'eva. Akrh.nnat.gist. i embr. 34 no.6:118-124 h-D '57. (NEUROLOGY-PERIODICALS)

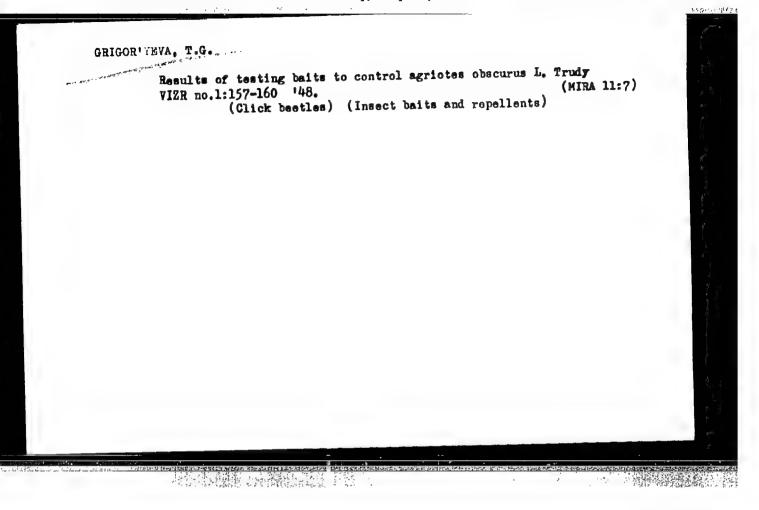
CRIGORIYEVA, T.A., prof., red.; ZELENIN, A.V., kand. med. nauk, red.; SAVICH, G.A., kand. med. nauk, red.

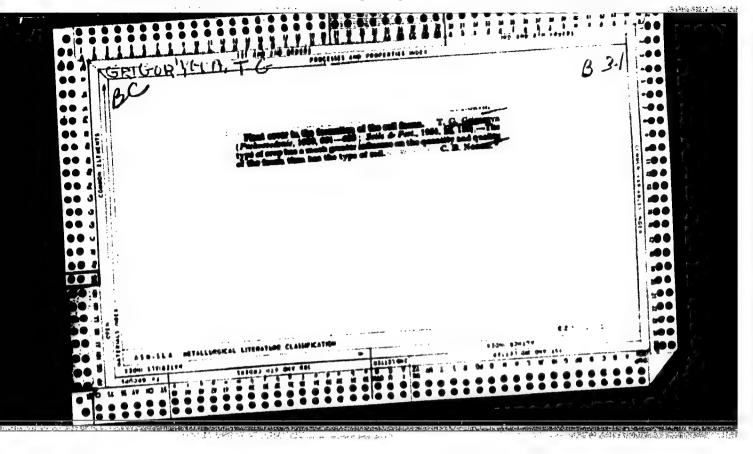
[Transactions of the First Conference of Young staff Fembers of Morphological Laboratories in Moscow] Trudy pervoy konferentsii molodykh nauchnykh sotrudnikov moskovskikh morfologicheskikh laboratorii. Pod red. T.A.Grigor'evoi, A.V.Zelenina i G.A.Savich. Moskva, Vses. ob-vo anatomov, gistologov i embriologov, 1959. 139 p. (MIRA 15:4)

1. Konferentsiya molodykh nauchnykh sotrudnikov moskovskikh morfologicheskikh laboratoriy. lst.

(Morphology(Animals))—Congresses))







Dec 52 Dec 52 the	oryeva. on, )	of Hexachlorane on the selected exptl sections servations over a period ency of hexachlorane	24572  # insects and  with little or  beneficial ef-  in increased  n on soil treated	24 <b>91</b> 2	La Property Consum
Hexachlorane as an Insecticide Hexachlorane Deposited in the	Ground, on the Fauna of the Soil," T. G. Grigory (Submitted by the Section of Plant's Protection, All Union Acad of Agric Sci imeni V. I. Lenin) Dok V-S ord Lenina Akad selikhoz neuk imeni v. T	5-20. effects soil in ast. Ob	ful plant-esting   sbowe ground, worms, and some Ants, resulting ral plants grown		o transmitted to be married as what appropries
ology -	Ground, on the Far (Submitted by the All Union Acad of Dok V-S ord Lenins	Lenina, No 12, pp 16-20.  Describes the toxic efference fauna of the Leningrad Oblast.  of 3 years, revealed the	in destroying harmful predatories in and abon no effect on rain worstfect on certain plants crope of agricultural with hexachlorane.		والأنافية والمنافية

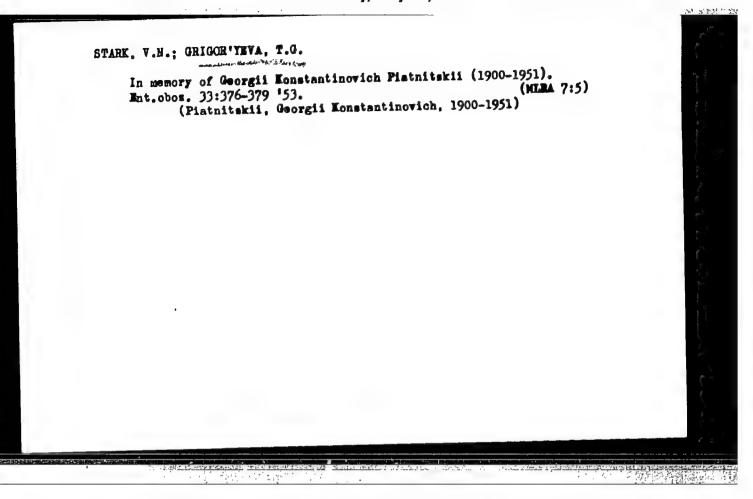
ORIGOR'YEVA, T.G.; KARPOVA, A.I.

Feeding specialization of the frit fly Oscinella pusilla Meig. in the transVolga region. Zool.smr. 32 no.5:893-902 S-0 '53. (MLRA 6:10)

1. Vsesoyusnyy nauchno-issledovatel skiy institut sashchity rasteniy.
(Volga valley--Frit flies) (Frit flies--Volga valley)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000516820

等一般。 1. 经条件



GRIGOR'YEVA, Tat'yana Grigor'yevuu.

[The Cutworm Hadena besilinea and its control] Zernovye sovki i
bor'da s nimi, Moskva, Gos. izd-vo selkoz. lit-ry, 1958. 56 p.

(Grain—Diseases and pests) (Outworms) (MIRA 11:10)

GRIGOR YEVA, T.G., starshiy nauchnyy sotrudnik; GLEBOV, M.A., starshiy nauchnyy sotrudnik; PERSIN, S.A., starshiy nauchnyy sotrudnik; PETRUKHA, O.I., starshiy nauchnyy sotrudnik; SLIVA, I.K.

Practices in effective control of the sugar beet weevil.

Zashch. rast. ot vred. i bol. 4 no.5:23-25 S-0 '59. (MIRA 16:1)

1. Vsesoyuznyy institut sashchity rasteniy (for Grigor'yeva, Glebov, Persin). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Petrukha). 3. Glavnyy agronom inspektsii po sel'skomu khozyaystvu Smelyanskogo rayona, Cherkasskoy oblasti (for Sliva).

(Smela District--Sugar beets--Diseases and pests)

(Smela District--Weevils--Extermination)

GRIGOR'YEVA, T.G., kand.sel'skokhoz.nsuk

Immediate tasks in the protection of grain crops. Zashch. rast. ot vred. i bol. 5 no.9:1-3 S'60. (MIRA 15:6)

1. Zaveduyushchiy laboratoriyey po izucheniyu vrediteley zernovykh kul'tur Vsesoyuznogo instituta zashchity rasteniy. (Kazakhstan-Wheat-Disoases and posts)

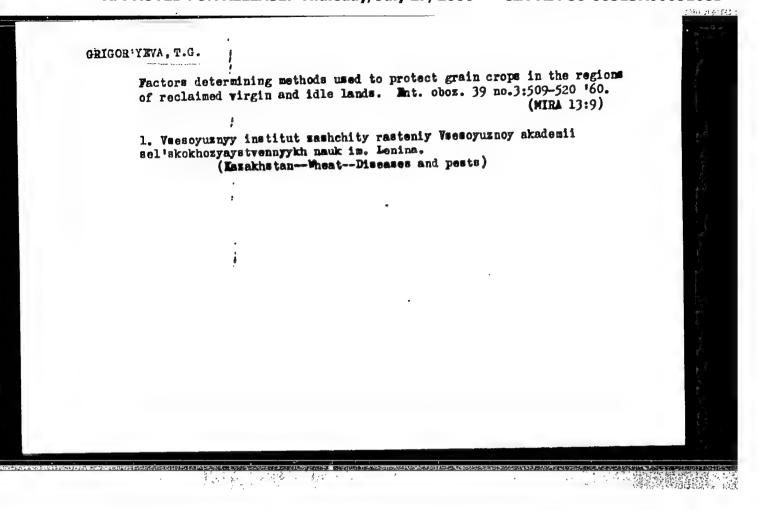
GRIGOR'YEVA, z.G.

Some general laws governing the formation of agrobiocoenoses and principles underlying the protection of plants on virgin lands.

Shur. ob. /biol. 21 no.6:411-418 N-D '60. (MIRA 14:1)

1. Vsesoyusnyy nauchno-iseledovatel'skiy institut mashchity rasteniy, Leningrad.

(RECLAMMATION OF LAND) (AGRICULTURAL PESTS)



GRIGOR' YEVA, T.G.; TEREKHIN, E.S.

Distribution of grain bugs of the genus Aelia (Hemiptera, Pentatomidae) in the trans-Volga region and northern Kazakhstan. Ent. oboz. 40 no.1:19-23 '61. (MIRA 14:2)

1. Vsesoyuznyy institut zashchity rasteniy Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina, Leningrada (Staraya-Poltavka District-Stinkbugs)

(Karabalykskiy District-Stinkbugs)

(Karabalykskiy District-Stinkbugs)

(Wheat-Diseases and pests)

GRIGOR'YEVA, T.G.

Some results of and prospects for studying the grain pests and their control in areas where virgin land is being brought under cultivation wool, zhur. 41 no.1:3-17 Ja 162. (MIRA 15:4)

1. All-Union Institute of Plant Protection, Leningrad.
(Virgin Territory--Wheat--Diseases and pests)

Investigation of the soil fauna in virgin and cultivated lands of the trans-Volga region. Vop. ekol. 7:40-41 '62. (MIRA 16:5)

1. Vsesoyusnyy institut sashchity rasteniy, Leningrad. (Volga Valley-Soil fauna)

GRIGORIJEVA, T.G.

Row crop farming and the main objectives of agricultural entomology. Ent. obozr. 41 no.3:485-491 '62. (MIRA 15:10)

1. Vsesoyumzyy institut zashchity rationiy, Leningrad. (Insects, Injurious and beneficial)